Notebook, N-09-01-03

[ITEM FOUND IN BOOK]

Cable Address "Edison, New York."

From the Laboratory
of
Thomas A. Edison.

Subject, ______________ Orange, N.J. 30/3 1909.

Tell Goldstein = that I cannot
judge of the samples that
Mr Aylsworth [illegible] probably
interested & to take it up
with him

Mr. Thomas A. Edison

Dear Sir

Herewith I beg to submit ~~your~~ kind considera-tion a few preparations and the results so far obtaind in the improvment of records masses.

From the first I applied all possible means in order to impart to the montain wax hardness of glass with sufficient toughness. Partly I succeeded by aplication of factis from linseed oil and dichloride of sulphur; the last experiments have given results which are 50% better than the regular records.

In order to avoid the disagreeable Sulphur Dichloride I have taken for substitutes for the same and I found that I could get just as good factis by Tinnchloride

The methods although giving good results are too complicated and expensive, and I have therefore looked for cheaper materials - among which I found in the Gilsonite the proper thing.

After getting a small autoclave made by Mr. Ott I have treated many waxes and resins under pressure and found that Gilsonite by this treatement changes into easy melting material which mixes with many kind of waxes.

For itself it possesses a certain elasticity and if mixed

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with montan wax to about 30%, the quality of the records does not suffer in the least.

In order to consume the brittle nature of the Gilsonite, I have mixed with the same the Elaterite, treated in the same way. Elaterite when treated under pressures, changes in such a substance which is absolutly soluble in Benzine and mixes with montan wax in all proportions.

If added in the proportions of 30%, records are obtaind, which are 20% better than the regular.

From the samples sent, you will recognize that Elaterite for itself is too soft, and I have therefore mixed the same with changed Gilsonite, obtaining just as good results.

The cheapness of the materials and the simplicity of the process used by me, appear striking enough to ask you for your kind opinion, in the premisses as Mr. Aylsworth is absent and I cannot therefore obtain any information from him

Awaiting your further commands, I have the honor to remain, Sir,

your very obedient Servant
Ignacy Goldstein
chemist.